

## SmartOnline 230V 3kVA 2700W On-Line Double-Conversion UPS, Tower, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: **SUINT3000XLCD**



### Highlights

- Zero transfer time suitable for advanced network applications
- 2% output voltage regulation in online, double-conversion mode
- Expandable runtime with optional external battery packs
- Interactive LED/LCD status display
- 11.2 min. runtime at half load; 4.4 min. at full load

### Package Includes

- SUINT3000XLCD SmartOnline 230V 3kVA 2700W On-Line Double-Conversion UPS
- USB cable
- RS-232 cable
- (3) C13-to-C14 power cords
- Owner's manual

### Description

The SUINT3000XLCD SmartOnline® 230V 3kVA 2700W On-Line Double-Conversion UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. It converts AC input to DC power, and then converts DC to fully regulated sine wave AC output with +/-2% voltage regulation in online, double-conversion mode.

Featuring one C19 and six C13 outlets, the SUINT3000XLCD has an internal battery that provides 11.2 minutes of support at half load (1350W) and 4.4 minutes at full load (2700W). Adding external battery packs, such as [BP72V15-2U](#) (sold separately), provides extended runtime. Operating in optional economy mode reduces heat output and cooling requirements and consumes less electricity.

An interactive front-panel LCD screen displays operating conditions and diagnostic data, such as load, voltage and battery levels. An audible alarm signals UPS startup, power failure, low battery, overload, UPS fault and remote shutdown conditions.

EMI/RFI line noise filtering improves your equipment's performance, and 425-joule surge suppression prevents equipment and data damage from harmful power surges. With Tripp Lite's PowerAlert® software, the SUINT3000XLCD enables safe unattended system shutdown and file saves in case of a prolonged power failure. A built-in card slot supports [TLNETCARD](#), [WEBCARDLX](#), [SNMPWEBCARD](#), [MODBUSCARD](#) and [RELAYIOCARD](#) for network interface and remote monitoring and control.

### Features

#### Protects Mission-Critical Rack-Mounted Equipment

- Provides fully regulated sine wave AC output for small/medium servers, networking equipment and telecom systems
- +/-2% voltage regulation in online, double-conversion mode
- 230V output voltage
- High 0.9 power factor offers 3000VA/2700W output capacity
- One C19 and 6 C13 outlets; C20 input connection
- Set of 3 C13/C14 jumpers included



- 425-joule surge suppression rating

#### Reliable Battery Backup with Expandable Runtime

- Supports half load for 11.2 min. and full load for 4.4 min.
- Zero transfer time suitable for advanced network applications
- Expandable runtime with optional external battery packs, such as Tripp Lite's [BP72V15-2U](#)
- Restarts automatically after lengthy power outages

#### SNMP/Web Capability

- Built-in slot for SNMP network interface and relay card for remote monitoring and control options
- Compatible with [TLNETCARD](#), [WEBCARDLX](#), [SNMPWEBCARD](#), [MODBUSCARD](#) and [RELAYIOCARD](#)

#### EMI/RFI Line Noise Filtering

- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

#### Interactive LCD Screen

- Reports detailed status information, including load, voltage and battery levels

#### Audible Alarm

- Indicates startup/shutdown, power failure, low battery, overload and fault conditions

#### Communications Ports

- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)

#### Optional Economy Mode

- Efficiently minimizes heat output, reduces cooling requirements and consumes less electricity

## Specifications

| OUTPUT                              |  |
|-------------------------------------|--|
| Output Volt Amp Capacity (VA)       | 3000   |
| Output kVA Capacity (kVA)           | 3  |
| Output Watt Capacity (Watts)        | 2700   |
| Output kW Capacity (kW)             | 2.7  |
| Output Capacity Details             | OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 1 minute; 150% load for 30 seconds; Loads greater than 150% trigger immediate switchover to BYPASS (when input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when input voltage and frequency are OUTSIDE bypass limits) |
| Power Factor                        | 0.9  |
| Crest Factor                        | 3:1  |
| Nominal Output Voltage(s) Supported | 220V; 230V; 240V   |



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| Nominal Voltage Details                       | 230V default   |
| Frequency Compatibility                       | 50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion  |
| Frequency Compatibility Details               | <p>ON LINE MODE: Output frequency is automatically configured to match nominal input frequency on startup; Output matches input frequency when +/-5Hz of nominal; Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal. UPS switches to battery mode when input frequency is below 40Hz or above 70Hz.</p> <p>FREQUENCY CONVERSION MODE: Output is regulated to +/-0.05Hz of selected output frequency when input is 40 to 70Hz; UPS switches to battery mode when input frequency is below 40Hz or above 70Hz. BATTERY MODE: Output is regulated to +/-0.05Hz of selected nominal.</p> |
| Output Voltage Regulation (Line Mode)         | +/- 2%   |
| Output Voltage Regulation (Economy Line Mode) | +/- 10%  |
| Output Voltage Regulation (Battery Mode)      | +/- 3%   |
| Output Receptacles                            | (6) C13; (1) C19   |
| Included Output Power Cables                  | Includes three C13 to C14 power cables   |
| Output AC Waveform (AC Mode)                  | Pure Sine wave   |
| Output AC Waveform (Battery Mode)             | Pure Sine wave   |
| <b>INPUT</b>                                  |  |
| Rated input current (Maximum Load)            | 14.6A 220V; 14.0A 230V; 13.4A 240V   |
| Nominal Input Voltage(s) Supported            | 220V AC; 230V AC; 240V AC  |
| Nominal Input Voltage Description             | 230V factory default   |
| UPS Input Connection Type                     | C20 inlet  |
| Input Circuit Breakers                        | 20A  |
| UPS Input Cord Length (ft.)                   | 10   |
| UPS Input Cord Length (m)                     | 3.0  |
| Recommended Electrical Service                | 230V   |
| Input Phase                                   | Single-Phase   |
| <b>BATTERY</b>                                |  |
| Full Load Runtime (min.)                      | 4.4 min. (2700w)   |
| Half Load Runtime (min.)                      | 11.2 min. (1350w)  |
| Expandable Battery Runtime                    | Extended runtime supported via optional external battery packs   |
| External Battery Pack Compatibility           | BP72V15-2U(limit 1); BP72V18-2US(multi-pack compatible); BP72V28RT-3U(multi-pack compatible)   |
| Expandable Runtime Description                | External battery configurations require the use of Tripp Lite's External Battery Configuration Software, see manual for details  |
| DC System Voltage (VDC)                       | 72   |
| Battery Recharge Rate (Included Batteries)    | Less than 6 hours from 10% to 90% (typical, full load discharge)   |



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| Expandable Runtime                           | Yes   |
| <b>VOLTAGE REGULATION</b>                    |   |
| Voltage Regulation Description               | Online, double-conversion power conditioning  |
| Overvoltage Correction                       | 2% output voltage regulation during overvoltages to 280   |
| Undervoltage Correction                      | 2% output voltage regulation during undervoltages to 80V (50% load), 175V (100% load)   |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |   |
| Front Panel LCD Display                      | Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, frequency, operating mode, alarm function and a variety of additional information |
| Switches                                     | ON switch supports inverter-on, battery-test, alarm-off and enter functions; OFF switch supports inverter-off and fault-clear functions; SETUP switch enables scroll-down and enter setup-mode functions                            |
| Alarm Cancel Operation                       | Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available  |
| Audible Alarm                                | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions   |
| <b>SURGE / NOISE SUPPRESSION</b>             |   |
| UPS AC Suppression Joule Rating              | 425   |
| UPS AC Suppression Response Time             | Instantaneous   |
| EMI / RFI AC Noise Suppression               | Yes   |
| <b>PHYSICAL</b>                              |   |
| Primary Form Factor                          | Tower   |
| UPS Power Module Dimensions (hwd, in.)       | 12.8 x 7.5 x 14.2   |
| UPS Power Module Weight (lbs.)               | 54.8  |
| UPS Power Module Weight (kg)                 | 24.86   |
| UPS Shipping Dimensions (hwd / in.)          | 17.4 x 11.8 x 19.9  |
| Shipping Weight (lbs.)                       | 60.5  |
| Shipping Weight (kg)                         | 27.5  |
| Cooling Method                               | Fan   |
| UPS Housing Material                         | Steel   |
| Primary UPS Height (mm)                      | 325   |
| Primary UPS Width (mm)                       | 190   |
| Primary UPS Depth (mm)                       | 361   |
| UPS Power Module Dimensions (hwd, mm)        | 325 x 190 x 361   |
| Shipping Height (mm)                         | 442   |



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| Shipping Width (mm)   | 300  |
| Shipping Depth (mm)   | 505  |
| UPS Shipping Dimensions (hwd / mm)                          | 442 x 300 x 505  |
| <b>ENVIRONMENTAL</b>  |  |
| Operating Temperature Range                                 | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius  |
| Storage Temperature Range                                   | +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius   |
| Relative Humidity   | 0 to 95%, non-condensing   |
| AC Mode BTU / Hr. (Full Load)                               | 818  |
| AC Economy Mode BTU / Hr. (Full Load)                       | 188  |
| Battery Mode BTU / Hr. (Full Load)                          | 1538   |
| AC Mode Efficiency Rating (100% Load)                       | 92%  |
| AC Economy Mode Efficiency Rating (100% Load)               | 98%  |
| Operating Elevation (ft.)                                   | 0-3000ft   |
| Audible Noise   | < 52 dB at front side 1m   |
| Operating Elevation (m)                                     | 0-1000m  |
| <b>COMMUNICATIONS</b>                                       |  |
| Communications Interface                                    | DB9 Serial; Slot for SNMP/Web interface; USB (HID enabled)   |
| Network Management Cards                                    | <a href="#">SNMPWEBCARD</a> ; <a href="#">TLNETCARD</a> ; <a href="#">WEBCARDLX</a> ; <a href="#">MODBUSCARD</a> ; <a href="#">RELAYIOCARD</a>   |
| Network Monitoring Port Description                         | Supports detailed monitoring of UPS and site power conditions  |
| PowerAlert Software   | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a> |
| Communications Cable  | USB and DB9 cabling included   |
| <b>LINE / BATTERY TRANSFER</b>                              |  |
| Transfer Time   | Zero transfer time (0 ms.) in online, double-conversion and frequency regulation / conversion modes;   |
| Low Voltage Transfer to Battery Power (Setpoint)            | 80V (<50% load), 175V (100% load)  |
| High Voltage Transfer to Battery Power (Setpoint)           | 280  |
| <b>SPECIAL FEATURES</b>                                     |  |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported   |
| High Availability UPS Features                              | Automatic inverter bypass; Hot swappable batteries   |



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|                                     |   |
|-------------------------------------|---|
| Green Energy-Saving Features        | High efficiency economy mode operation  |
| <b>CERTIFICATIONS</b>               |   |
| UPS Certifications                  | CE  |
| UPS Certification Details           | EN62040-2:2006; IEC 62040-1:2008+A1:2013; ESD:IEC61000-4-2:LEVEL 4, RS:IEC61000-4-3:LEVEL 3, EFT:IEC61000-4-4:LEVEL 2, SURGE: IEC61000-4-5:LEVEL 2, CS:IEC61000-4-6:LEVEL 3, CONDUCTED MAGNETIC FIELD: IEC61000-4-8:LEVEL 4 |
| <b>WARRANTY</b>                     |   |
| Product Warranty Period (Worldwide) | 2-year limited warranty   |

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